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8 September 1965

25X1A8b MEMORANDUM FOR: [REDACTED]

SUBJECT: MR-4 Radar Installation Results

25X1C9c

1. The MR-4 radar installed on [REDACTED] was preliminarily tested (underway) on 3 September 1965.

2. The installed antenna unit may be removed from the operator's console by backing off six wing nuts on the mounting flange. In addition, disconnects for the waveguide and control cable permit parting of the antenna unit from the transmitter-receiver unit to facilitate removal.

3. Each radar component has been shock mounted with resilient mounts to permit relative component craft motion during underway operations. A flexible waveguide section between the antenna and TR-unit was added in addition to isolation supports.

3.1. Original shock mounts were damped to reduce oscillation during maneuvering.

4. The radar will have a maximum range of approximately eighteen nautical miles as verified during underway tests.

5. A more detailed description of the installation will follow; however, the Bendix MR-4 radar does not appear to be the most practical unit from an installation viewpoint. The separate TR-unit necessitates expensive cable disconnects and a flexible waveguide section. A Raytheon 1900 Model unit with an antenna contained TR-unit is considered more practical.

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Booklet Enclosure

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GROUP 1
Excluded from automatic
downgrading and
declassification